A3

--Such plots are shown in Figures 2 and 3.--

Please replace the paragraph beginning on page 16, line 1, with the following rewritten paragraph:

A4

--On the other hand, curves 8, 9, 10 and 12 reveal diffraction peaks 13 characteristic of crystalline materials.--

Please replace the paragraph beginning on page 16, line 12, with the following rewritten paragraph:

A5

--A first embodiment example relates to the production of a mirror 4 at 1064 nm. The mirror 4 must ensure a reflecting function at 1064 nm under an angle of incidence of 45°. This mirror 4 is produced by a stack of formula 12 (HB) H2B where H represents a mono-layer of thickness 156 nm of HfO_2 and B a mono-layer of 213 nm of SiO_2.--

Please replace the paragraph beginning on page 16, line 19, with the following rewritten paragraph:

A6

--A cross-section of this optical component mirror 4 intended to represent the stacking of the layers is shown in Figure 4. On a substrate 1, the mirror according to the invention comprises first of all a stack of twelve layers H of amorphous hafnium oxide 2, each alternating with a layer B of silicon oxide 3. It then comprises two layers H of amorphous hafnium oxide 2 and finally a layer B of silicon oxide 3.--

Please replace the paragraph beginning on page 18, line 15, with the following rewritten paragraph:

HAYES SOLOWAY P.C.
130 W. CUSHING ST.
TUCSON, AZ 85701
TEL. 520.882.7623
FAX. 520.882.7643
175 CANAL STREET
MANCHESTER, NH 03101
TEL. 603.668.1400
FAX. 603.668.8567

A7

--In Figure 6, the optical component 6 is shown, with the aim of simplification, with a single example of the two-layer composition comprising a layer of amorphous hafnia 2 alternating with a layer of silicon oxide 3.--

ABSTRACT

--A thin layer of hafnium oxide or stacking of thin layers comprising hafnium oxide layers for producing surface treatments of optical components, or optical components, in which at least one layer of hafnium oxide is in amorphous form and has a density less than 8 gm/cm^3. The layer is formed by depositing on a substrate without energy input to the substrate.--

HAYES SOLOWAY P.C.
130 W. CUSHING ST.
TUCSON, AZ 85701
TEL. 520.882.7623
FAX. 520.882.7643

175 CANAL STREET
MANCHESTER, NH 03101
TEL. 603.668.1400
FAX. 603.668.8567